

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An interactive testing system for analyzing biological, chemical and biochemical samples, comprising:

a bio-disc including bio-disc authentication information, said bio-disc adapted to receive a sample;

a bio-disc drive adapted to process said bio-disc and retrieve information from said sample;

a central processing unit for controlling said bio-disc drive;

means for allowing said central processing unit to communicate over a network;

and

a node connected with said network, said node being enabled to interact with said central processing unit and said node configured to evaluate the bio-disc authentication information so as to verify authenticity of the bio-disc.

2. (Original) The interactive testing system according to claim 1, wherein said node is implemented so that processing and analysis of said sample is remotely controlled.

3. (Original) The interactive testing system according to claim 1, wherein said bio-disc comprises processing software encoded thereon.

4. (Original) The interactive testing system according to claim 3, wherein said processing software encoded on said bio-disc is operable after said node verifies authenticity of said bio-disc.

5. (Original) The interactive testing system according to claim 1, wherein the node comprises a server.

6. (Original) The interactive testing system according to claim 1, further comprising a user terminal connected to the node.

7. (Currently amended) A method for analyzing biological, chemical and biochemical samples comprising:

obtaining a sample;

loading the sample to a bio-disc;

obtaining bio-disc authentication information from the bio-disc;

performing a test on said sample on said bio-disc in a bio-disc drive;

collecting test data on said sample by a reader;

processing the test data by a computer in communication with said reader;
transmitting processed test data from said sample to a server;
transmitting bio-disc authentication information to the server;
authenticating the bio-disc information at the server; and
obtaining a test result from the server.

8. (Original) The method of claim 7, further comprising the steps of:
obtaining information related to said sample;
transmitting the sample-related information to the server;
obtaining a test result analysis from the server based on the test result and the sample-related information.

9. (Original) The method of claim 8, wherein the sample-related information is health information from a patient from whom the sample is taken.

10. (Cancelled)

11. (Currently amended) A method for analyzing biological, chemical and biochemical samples, said method comprising the steps of:

receiving test data from a remote location, said test data being generated from a sample using a bio-disc and processed by a computer at the remote location;
analyzing the test data to produce a test result;
storing the test result in a server accessible by authorized users
obtaining bio-disc authentication information from the remote location;
authenticating the bio-disc information; and
subsequent to bio-disc authentication, permitting access to the stored test results by authorized users.

12. (Original) The method of claim 11, further comprising the step of:
receiving health information of a patient from whom the sample is taken;
storing the test result and the health information into a central data base;
extracting and analyzing information related to the test result and the health information from the data base to produce a test result analysis; and
storing the test result analysis on the server accessible by authorized users.

13. (Cancelled)

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14. (Original) The method of claim 11, wherein the test result in the central server is accessible through a web page.

15. (Previously Presented) A method for analyzing biological, chemical and biochemical samples, comprising the steps of:

- obtaining test data from a remote location through a network;
- analyzing the test data on a server to produce a test result; and
- storing the test result in the server, said server accessible by authorized users, wherein the test data is generated by processing a sample in a bio-disc with a bio-disc drive;
- authenticating bio-disc information contained on the bio-disc; and
- subsequent to bio-disc authentication, permitting access to the stored test results by authorized users..

16. (Original) The method of claim 15, wherein the network is the Internet and the server is accessible through a web page.

17. (Cancelled)

18. (Original) The method of claim 15, further comprising the steps of:

- receiving test related information;
- storing the test result and the test related information into a central database;
- extracting and analyzing information related to the test result and the test related information from the central database to produce a test result analysis; and
- storing the test result analysis on the server accessible by authorized users.

19. (Currently amended) An interactive testing system for testing samples, said testing system comprising:

- a bio-disc device including bio-disc authentication information and containing means thereon for analyzing a sample and generating a plurality of test data therefrom;

- a local device connected to said bio-disc device and receiving said plurality of test data from said bio-disc device; and

- a remote device connected to said local device across a network, said plurality of test data being sent from said local device to said remote device across said network, said remote device processing said plurality of test data upon receipt and said remote device configured to evaluate the bio-disc authentication information so as to verify authenticity

of the bio-disc and subsequent to said verification, to permit authorized user access to said processed test data.

20. (Original) The interactive testing system according to claim 19, wherein said local device further comprises means for processing said plurality of test data.

21. (Original) The interactive testing system according to claim 20, wherein said local device processes said plurality of test data after receipt of a processing signal from said remote device.

22. (Original) The interactive testing system according to claim 21, wherein said processing signal from said remote device, upon receipt at said local device, enables the processing of said plurality of test data by said local device.

23. (Original) The testing system according to claim 19, wherein said local device is located in a medical office and remotely accessible by said remote device, the processing of said plurality of test data at said local device being enabled by the remote device.

24. (Original) The interactive testing system according to claim 23, wherein the processing of said test data at said local device is coordinated by said remote device.

25. (Original) The interactive testing system according to claim 19, wherein said local device is located in a user's home and remotely accessible by said remote device, the processing of said plurality of test data of said local device being enabled by the remote device.

26. (Original) The interactive testing system according to claim 19, wherein said local device is a field device remotely accessible by the remote device.

27. (Original) The interactive testing system according to claim 19, wherein said local device is in wireless communication with said remote device.

28. (Original) The interactive testing system according to claim 19, wherein said plurality of test data sent across said network is encrypted.

29. (Original) The interactive testing system according to claim 19, wherein said network is an intranet.

30. (Original) The interactive testing system according to claim 19, wherein said network is the Internet.

31. (Original) The interactive testing system according to claim 19, wherein said network employs a connection selected from the group consisting of: a TCP connection, a

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TCP/IP connection, a UDP connection, a cellular connection, a wireless connection, an infrared connection, and an IPX/SPX networking connection.

32. (Original) The interactive testing system according to claim 19, where said local device is in communication with said remote device via the Internet, said communication employing an Internet address.

33. (Currently amended) A method for analyzing biological, chemical and biochemical samples, said method comprising the steps of:

receiving test data from a remote location, said test data being generated from a sample using a bio-disc and processed by a computer at the remote location;

analyzing the test data to produce a test result;

storing the test result in a server accessible by authorized users; and

obtaining bio-disc authentication information from the remote location;

authenticating the bio-disc information; and

subsequent to bio-disc authentication, accessing the test result in the server through a web page.